

09737454-061101

09/737454

43

1/14

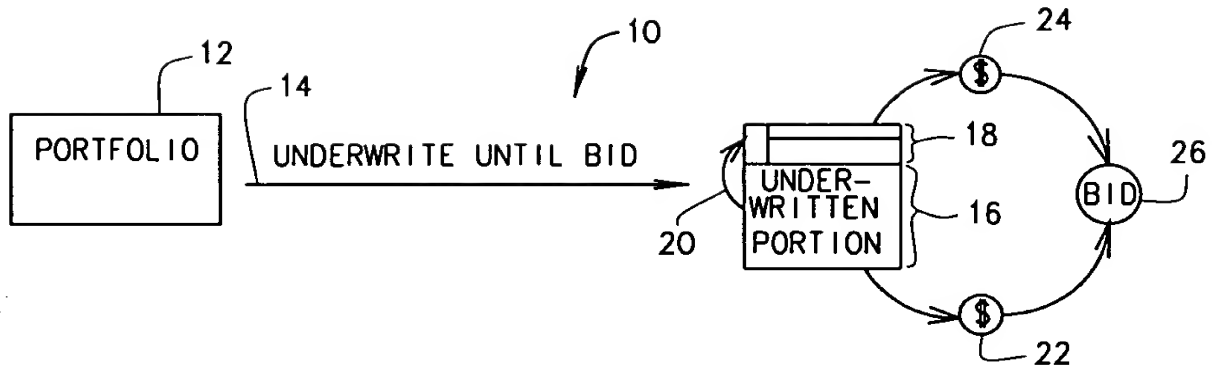


FIG. 1
PRIOR ART

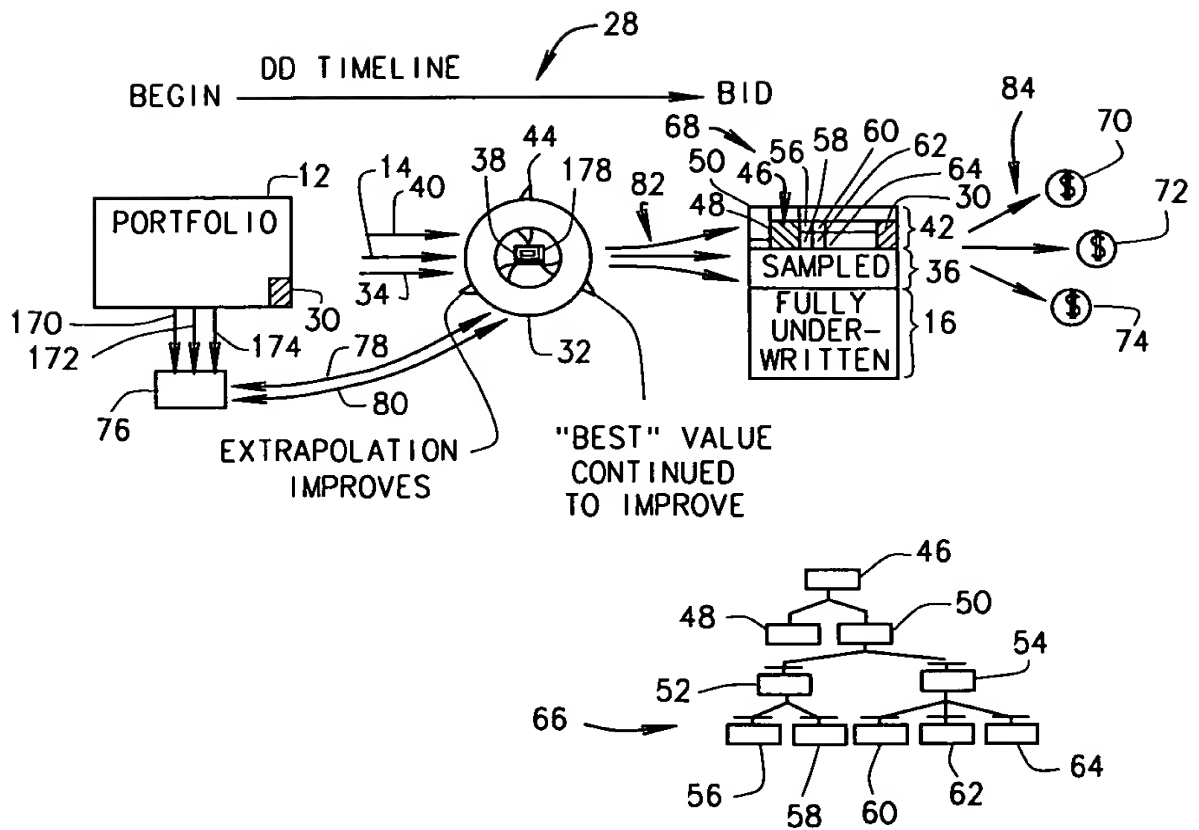


FIG. 2

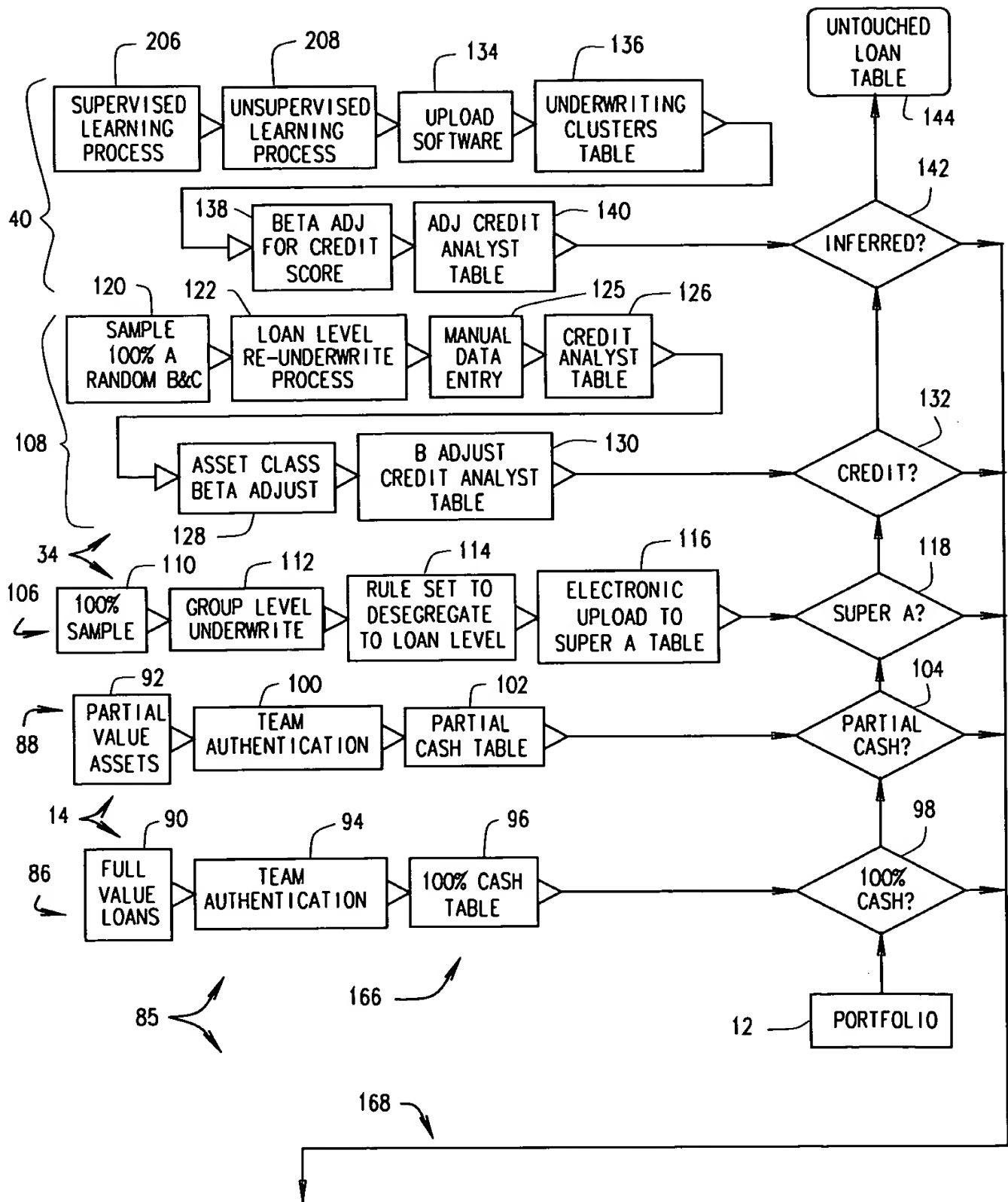


FIG. 3

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FROM FIG. 3

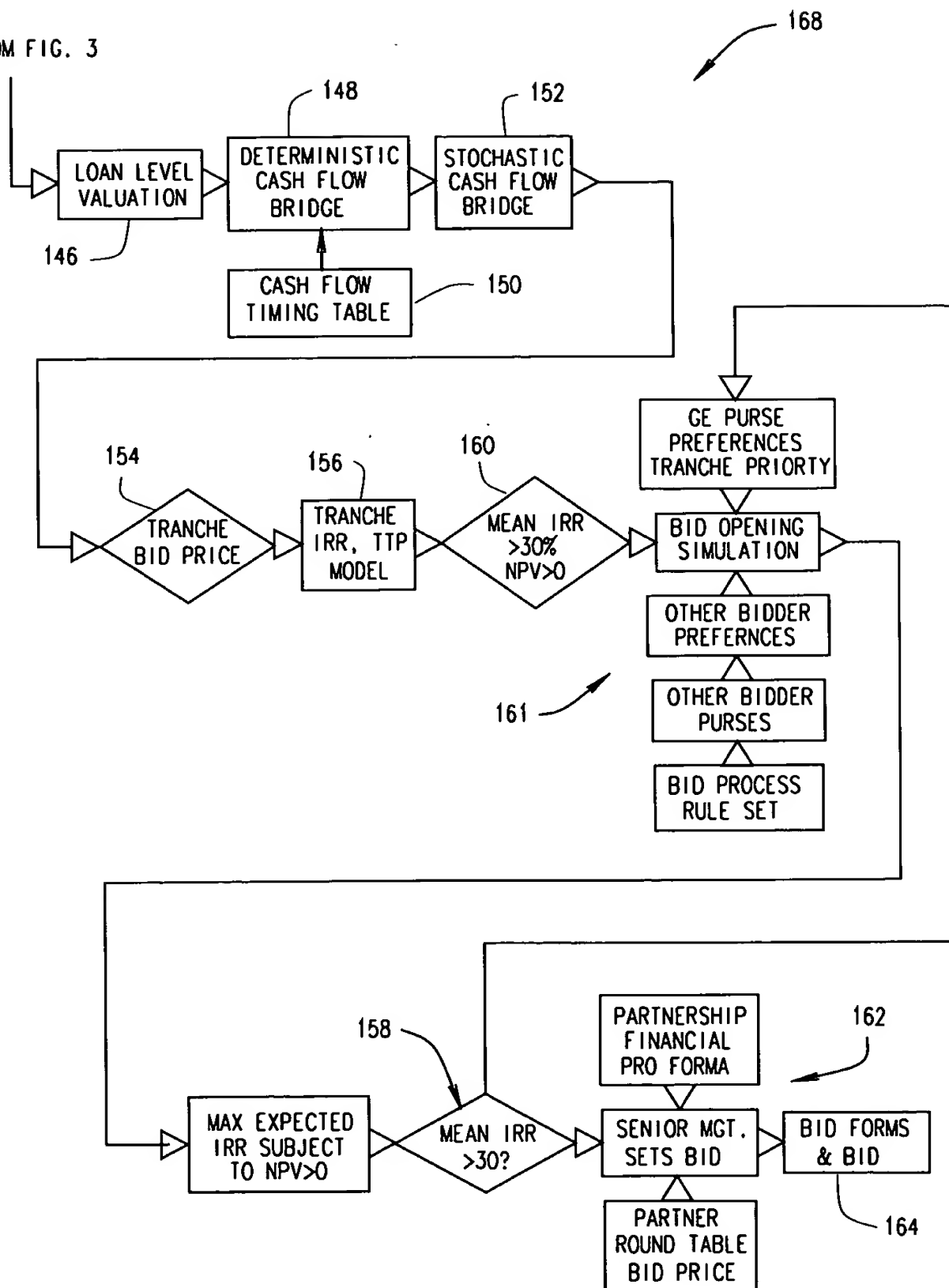


FIG. 4

0973454.06101

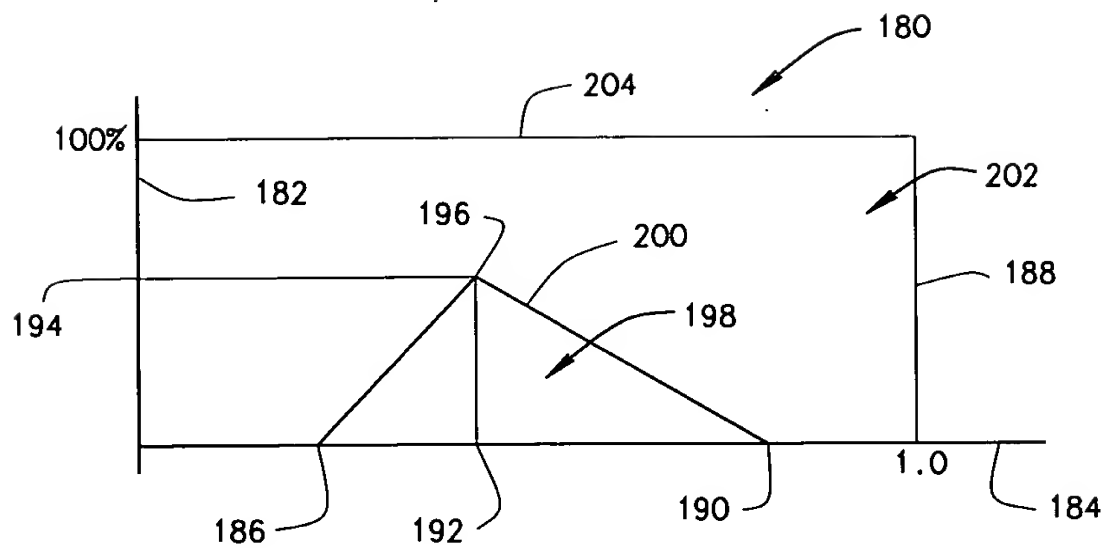


FIG. 5

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TOT190" 154260

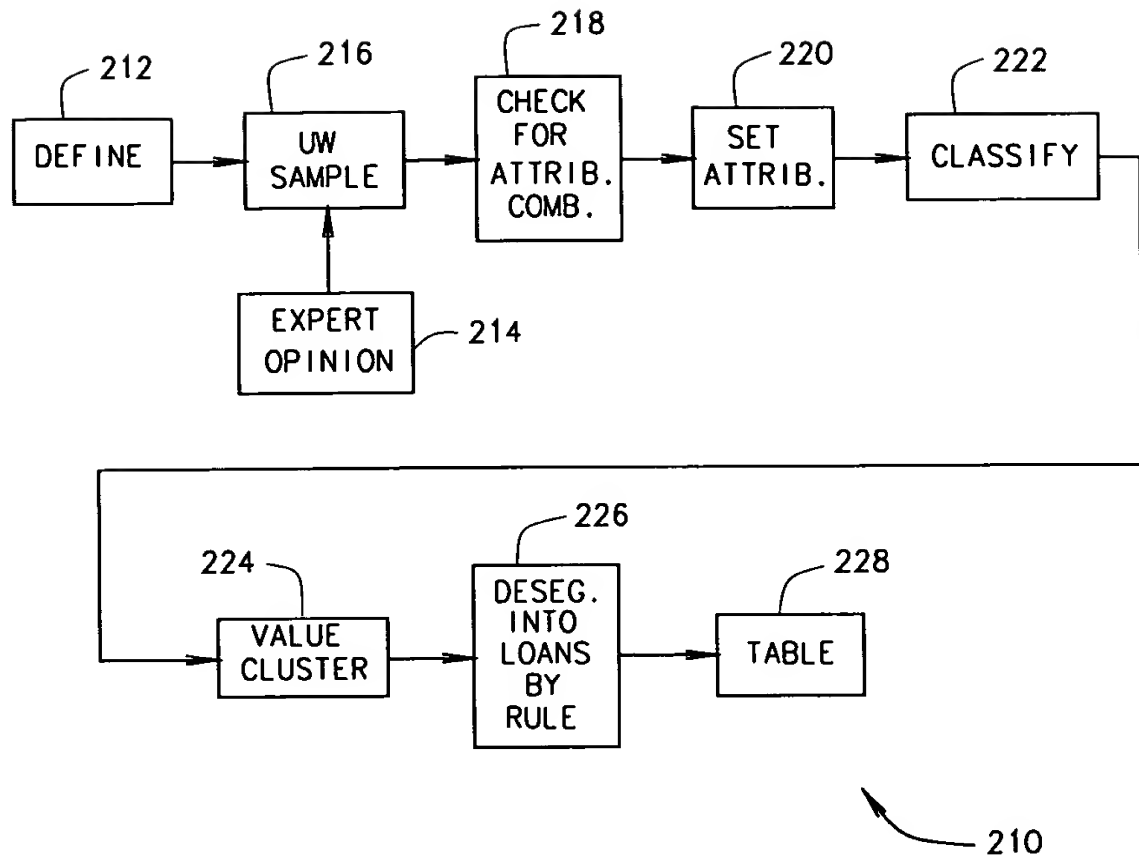


FIG. 6

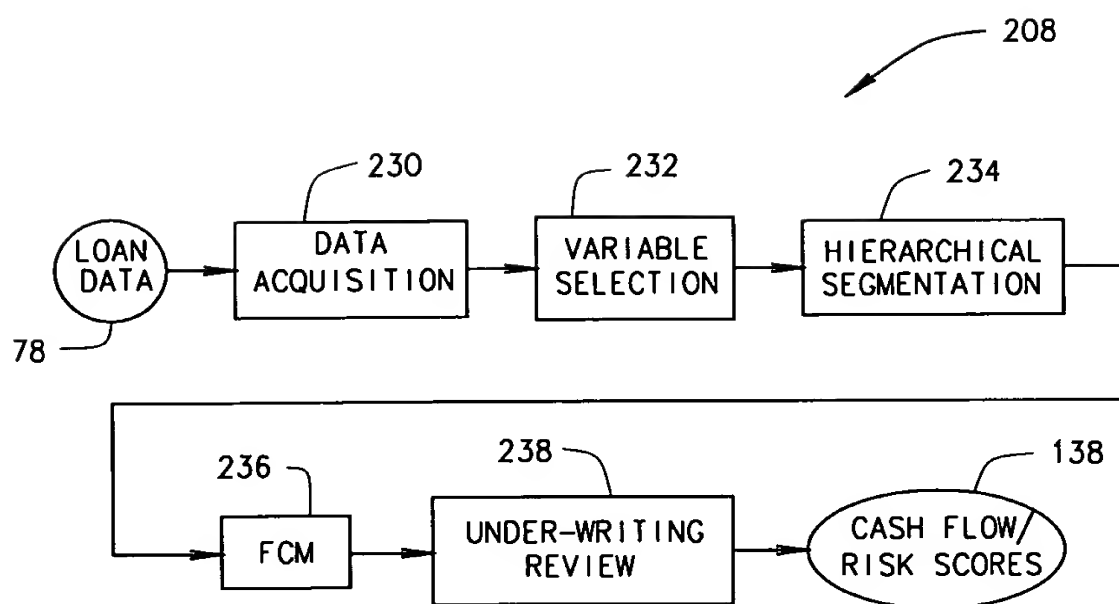


FIG. 7

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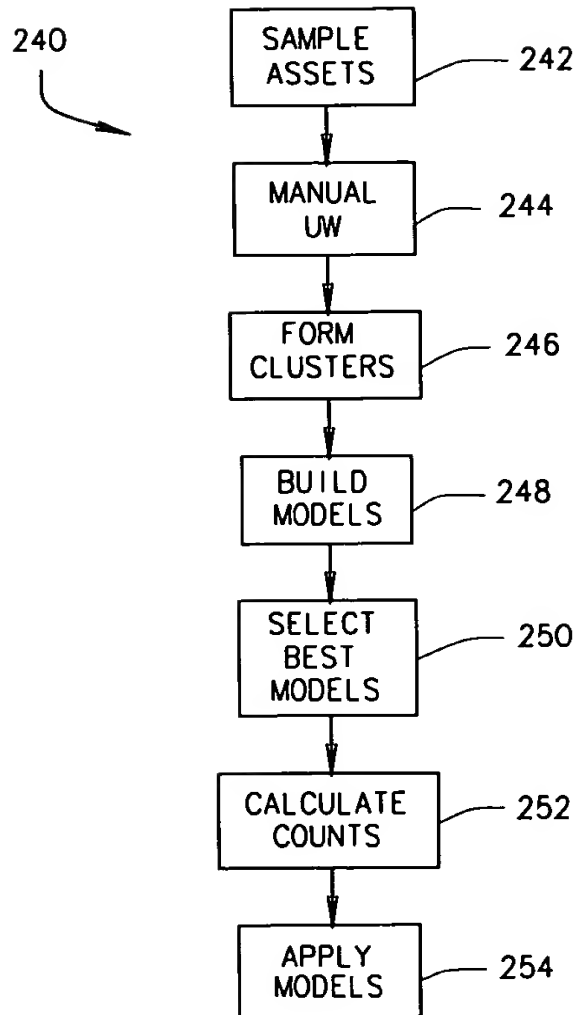


FIG. 8

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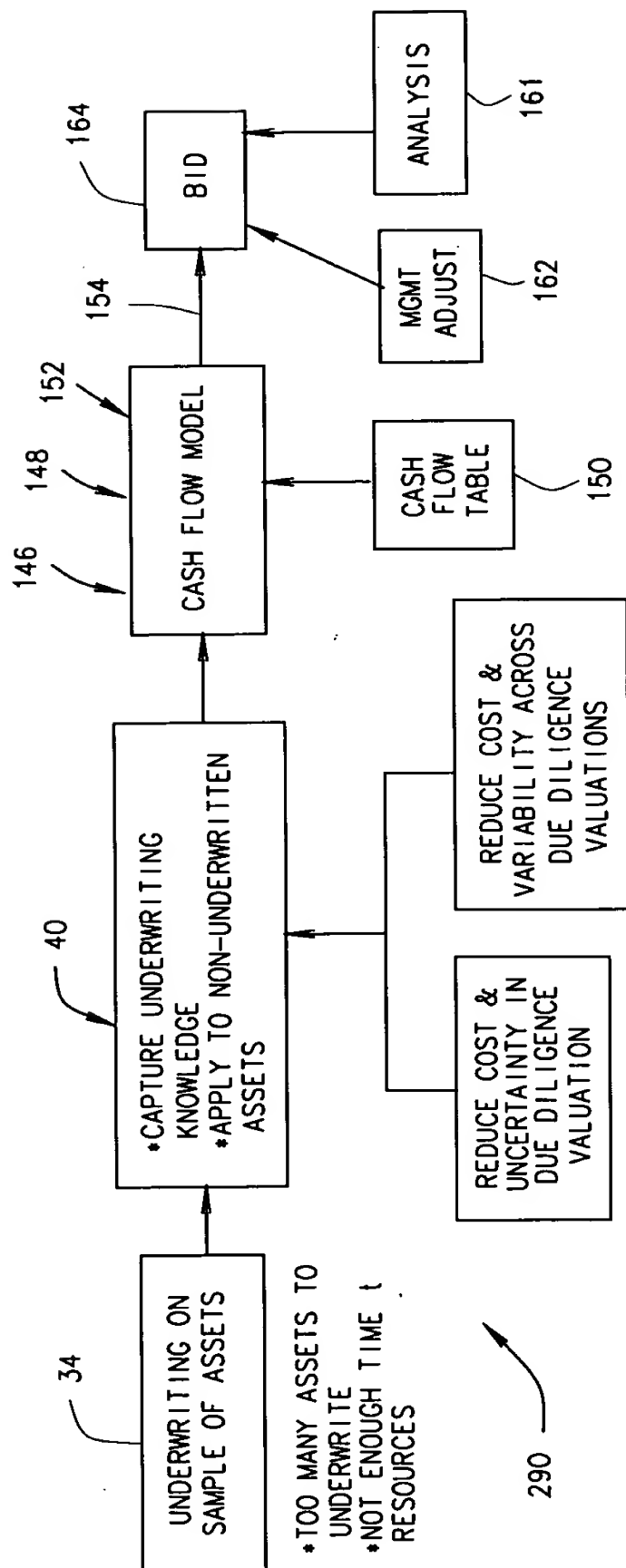


FIG. 9

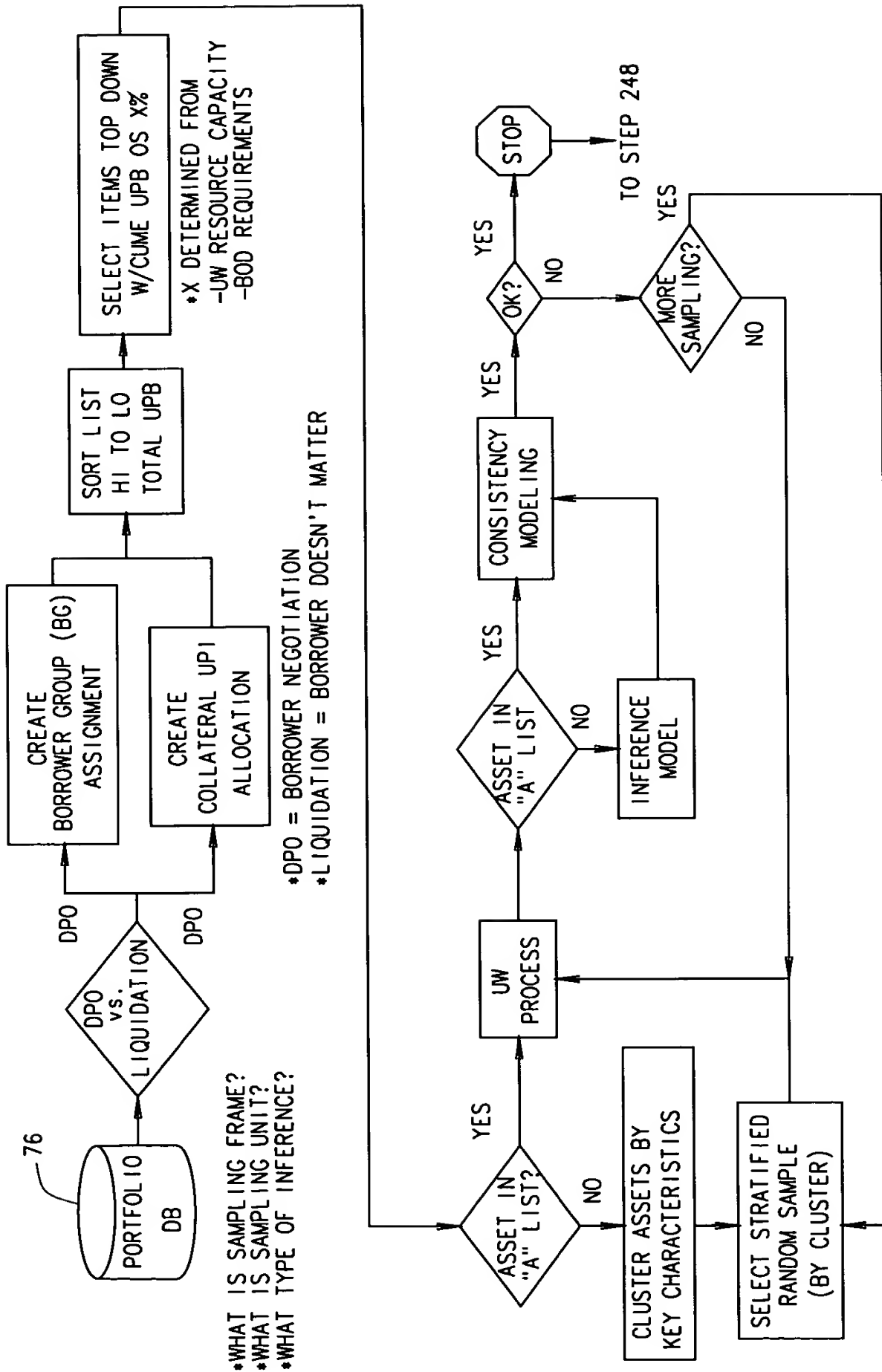


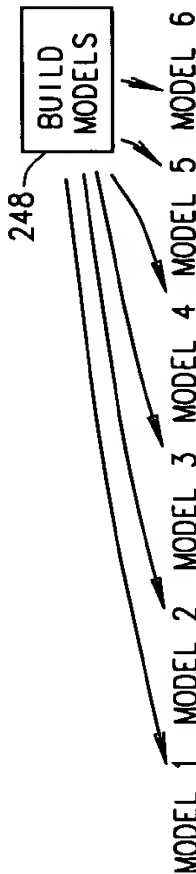
FIG. 10

6 MODELS BUILT:

- *MODELS DIFFER BY WHICH VARIABLES USED
- *UW ASSETS GET THE MINIMUM ERROR PREDICTION (ACTUAL-PREDICTED)

VARIABLES USED

	LAND AREA	BLDG AREA	OLD APPRAISAL	GEN 1 PREDICTED CURRENT APPRAISAL	GEN 1 PREDICTED REALIZED PRICE	PROPERTY TYPE	LOCATION	COM/RES	GROUP (CLUSTER)
MODEL 1	X								
MODEL 2									
MODEL 3									
MODEL 4									
MODEL 5									
MODEL 6									



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BUILD MODELS

MODEL 1 MODEL 2 MODEL 3 MODEL 4 MODEL 5 MODEL 6

	X			X	X				
	X			X	X				
									X
	X	X	X	X	X				
	X	X	X	X	X				
	X	X	X						
	X	X		X					
	X	X	X	X	X				X
	X	X	X	X	X				X

-BY-

MODEL "WEIGHTS":

- *EACH CELL IS COUNT OF TIMES THE MODEL PRODUCED BEST PREDICTION FOR UW ASSETS
- *DETERMINES WEIGHTS FOR AVERAGING PREDICTIONS FOR NON-UW ASSETS

	MODEL 1	MODEL 2	MODEL 3	MODEL 4	MODEL 5	MODEL 6	SUM
1	13	13	13	8	32	32	87
2	29	25	29	24	19	19	148
3	5	5	10	4	12	12	51
4	4	7	9	13	23	23	59
5	2	15	11	13	8	8	53
TOTAL	56	65	73	54	94	94	336
6	16	13	11	15	21	21	86
7	29	22	29	24	19	19	150
8	5	8	4	11	12	14	51
9	8	9	10	15	19	19	59
10	6	16	5	20	2	2	54
TOTAL	86	78	60	96	76	76	372

FIG. 11



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- *EACH CELL IS COUNT OF TIMES THE MODEL PRODUCED BEST PREDICTION FOR UW ASSETS
- *DETERMINES WEIGHTS FOR AVERAGING PREDICTIONS FOR NON-UW ASSETS

	MODEL 1	MODEL 2	MODEL 3	MODEL 4	MODEL 5	MODEL 6	SUM
1	13	13	13	8	32	32	87
2	29	25	29	24	19	19	148
3	5	5	10	4	12	12	51
4	4	7	9	13	23	23	59
5	2	15	11	13	8	8	53
TOTAL	56	65	73	54	94	94	336
6	16	13	11	15	21	21	86
7	29	22	29	24	19	19	150
8	5	8	4	11	12	14	51
9	8	9	10	15	19	19	59
10	6	16	5	20	2	2	54
TOTAL	86	78	60	96	76	76	372

FIG. 11

VARIABLE	CATEGORY/VALUE RANGE	ENCODING SCHEME
LOAN SECURED	(YES, NO)	YES = 1, ELSE = 0
LOAN TYPE	(REVOLVING, NON-REVOLVING)	REVOLVING = 1 ELSE 0
LAST PAYMENT	(0, 250 MM)	0 IF LAST PAYMENT = 0 ELSE 1
NOTICE OF DEFAULT SENT		PRIOR TO JUN 97 EQUALS 1 ELSE 0
ORIGINAL MATURITY DATE		PRIOR TO JUN 97 EQUALS 1 ELSE 0
SYNDICATED LOAN	(YES, NO)	YES = 1, ELSE = 0
LOAN GUARANTEED	(YES, NO, NAV)	YES = 1, ELSE = 0
COLLECTION SCORE	(0, 1)	
LIEN POSITION	(-1, 0, 1)	1 IF LIEN POSITION = 1 ELSE 0
CURRENT UPaid BALANCE/ORIGINAL BALANCE	(0, 2.9)	NORMALIZED TO (0, 1)
LAST PAYMENT TO INTEREST/LAST PAYMENT	(0, 1)	

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FIG. 12

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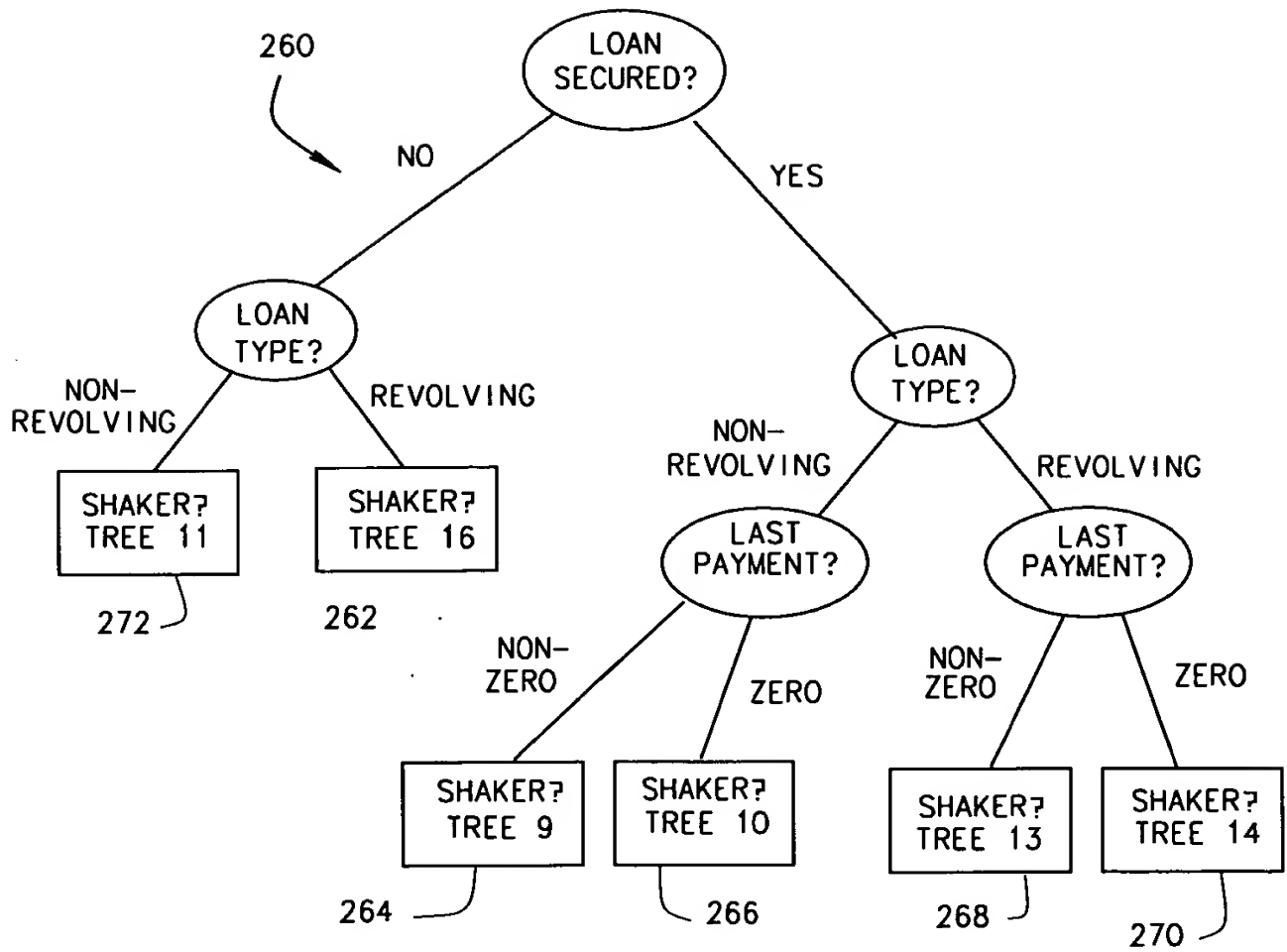


FIG. 13

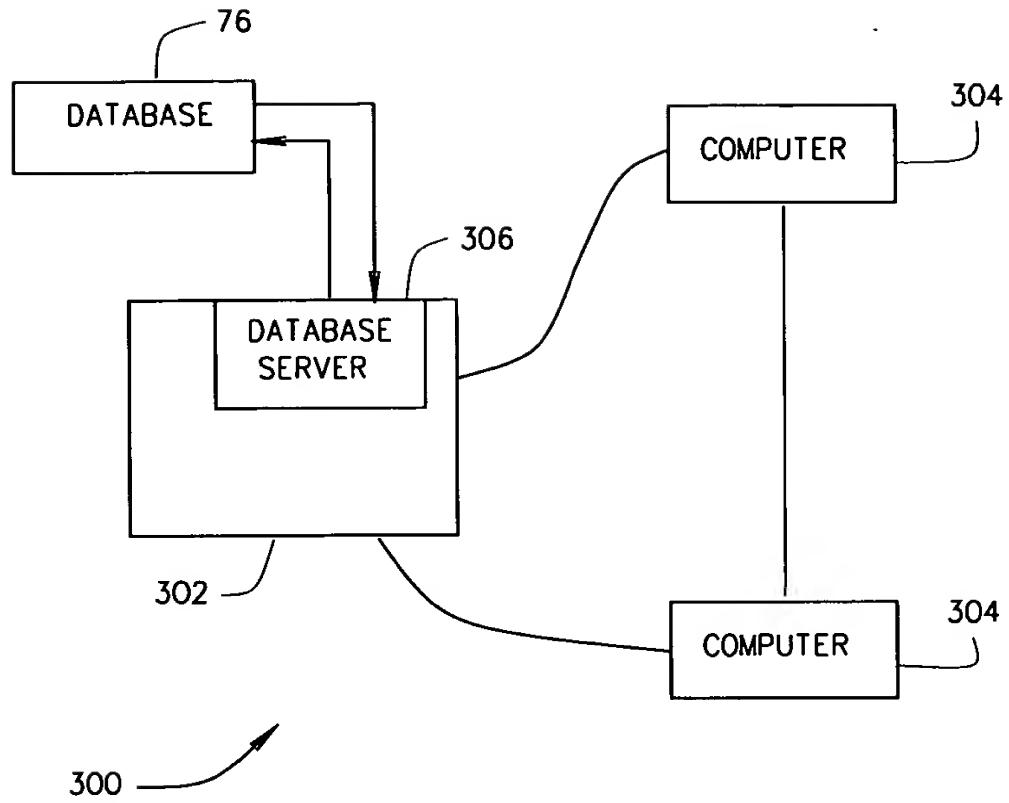


FIG. 14